Mathematical Biosciences

an international journal

Volume 130

PETR SLAVÍK AND JONATHAN BELL (Buffalo, New York) A Mechanoreceptor Model for Rapidly and Slowly Adapting Afferents Subjected to Periodic Vibratory Stimuli	1
RAUL CURTO (Barcelona, Spain) ALBERT SORRIBAS	
(Lleida, Spain) AND MARTA CASCANTE (Barcelona, Spain)	
Comparative Characterization of the Fermentation Pathway	
of Saccharomyces cerevisiae Using Biochemical Systems	
Theory and Metabolic Control Analysis: Model Definition	
	25
MARTA CASCANTE, RAUL CURTO (Barcelona, Spain)	
AND ALBERT SORRIBAS (Lleida, Spain)	
Comparative Characterization of the Fermentation	
Pathway of Saccharomyces cerevisiae Using	
Biochemical Systems Theory and Metabolic Control	
Analysis: Steady-State Analysis	51
ALBERT SORRIBAS (Lleida, Spain) RAUL CURTO AND	
MARTA CASCANTE (Barcelona, Spain)	
Comparative Characterization of the Fermentation Pathway	
of Saccharomyces cerevisiae Using Biochemical Systems	
Theory and Metabolic Control Analysis: Model Validation	
and Dynamic Behavior	71
Lihong Huang (People's Republic of China)	
MOXUN TANG (Alberta, Canada) AND	
JIANSHE YU (People's Republic of China,)	
Qualitative Analysis of Kolmogorov-Type Models of	05
Predator-Prey Systems	00
HISAO NAKAJIMA (Shiga, Japan)	
Indirect Effects in Ecological Interaction Networks	
I. The Chain Rule Approach	99
HISAO NAKAJIMA (SHIGA, JAPAN) AND MASAHIKO HIGASHI (Kyoto, Japan)	
Indirect Effects in Ecological Interaction Networks	
II. The Conjugate Variable Approach	29
H. M. BYRNE AND M. A. J. CHAPLAIN (Bath, United Kingdom)	
Growth of Nonnecrotic Tumors in the Presence and Absence	
of Inhibitors	51

YOZABURO TAKEDA (Tokyo, Japan)	
Coherent Potential Approximation Approach to	
Electronic Structure of DNA	3
I ZHENG (Jefferson, Arkansas)	
On a Compartmental Analysis Result	3
95 AUTHOR INDEX	7
95 Subject Index	1
OLUME CONTENTS	

